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PATENT
Attorney Docket No. 223316
Client Reference No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kasid et al.

Group Art Unit: 1635

Application No. 10/627,571

Examiner: Jon Ashen

Filed: July 25, 2003

For: ANTI-APOPTOTIC GENE SCC-S2 AND
DIAGNOSTIC AND THERAPEUTIC
USES THEREOF

INFORMATION DISCLOSURE STATEMENT

Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date

of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:

☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).

or

☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

Copies of the References

- ☐ Copies of all of the references listed on the enclosed Form 1449 are enclosed herewith.
- ☒ Copies of U.S. patents and patent applications that are listed on the accompanying Form 1449 are not enclosed herewith. Copies of other references identified on the accompanying Form 1449 are enclosed herewith with the exception of Chin (March, 2002). A paper copy of the first 2 pages of the Chin reference is provided. The complete reference, which is approximately 10,000 pages, is provided on the enclosed CD-ROM, which is the format in which it was initially transmitted to us by a third party.
- ☒ Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).
- ☐ A copy of the foreign search report is enclosed herewith.

- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

| U.S. APPLICATIONS | | Status (<i>check one</i>) | | |
|-------------------|------------------|-----------------------------|---------|-----------|
| U.S. APPLICATIONS | U.S. FILING DATE | PATENTED | PENDING | ABANDONED |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |

Statement under 37 CFR 1.97(e)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Statement under 37 CFR 1.704(d)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Fees

- ☒ **No fee** is owed by the applicant(s).
- ☐ The **IDS Fee of \$180** under 37 CFR 1.17(p) is enclosed herewith.



In re Appln. of Kasid et al.
Application No. 10/627,571

Method of Payment of Fees


- ☐ Attached is a check in the amount of \$
☐ Charge Deposit Account No. 12-1216 in the amount of \$. (A duplicate copy of this communication is enclosed for that purpose.)

Authorization to Charge Additional Fees

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

Instructions as to Overpayment

- ☒ Credit Account No. 12-1216.
☐ Refund



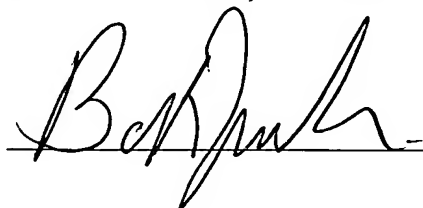
M. Daniel Hefner, Reg. No. 41,826
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Date: May 26, 2005

CERTIFICATE OF MAILING

I hereby certify that this INFORMATION DISCLOSURE STATEMENT (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop , Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: May 26, 2005



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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

| | |
|------------------------|---------------------|
| Application Number | 10/627,571 |
| Filing Date | July 25, 2003 |
| First Named Inventor | Kasid et al. |
| Group Art Unit | 1635 |
| Examiner Name | Ashen, Jon Benjamin |
| Attorney Docket Number | 223316 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Doc. No. | U.S. Patent Document | | Name of Patentee or Applicant | Date of Publication | Filing Date If Appropriate |
|----------------------|-------------|---------------------------------|-----------|-------------------------------|------------------------|-------------------------------|
| | | Application or Patent Number | Kind Code | | | |
| | CC | RE 30,985 | | Cartaya | June 29, 1982 | |
| | CE | 4,399,216 | | Axel et al. | Aug. 16, 1983 | |
| | CF | 4,551,433 | | DeBoer | Nov. 5, 1985 | |
| | CG | 4,560,655 | | Baker | Dec. 24, 1985 | |
| | CH | 4,657,866 | | Kumar | Apr. 14, 1987 | |
| | CI | 4,767,704 | | Cleveland et al. | Aug. 30, 1988 | |
| | CJ | 4,745,051 | | Smith et al. | May 17, 1988 | |
| | CK | 4,777,127 | | Suni et al. | Oct. 11, 1988 | |
| | CL | 4,816,567 | | Cabilly et al. | Mar. 28, 1989 | |
| | CM | 4,837,148 | | Cregg | June 6, 1989 | |
| | CN | 4,889,806 | | Olson et al. | Dec. 26, 1989 | |
| | CO | 4,927,762 | | Darfler | May 22, 1990 | |
| | CP | 4,929,555 | | Cregg et al. | May 29, 1990 | |
| | CQ | 4,959,314 | | Mark et al. | Sep. 25, 1990 | |
| | CR | 5,013,830 | | Ohtsuka et al. | May 7, 1991 | |
| | CS | 5,091,309 | A | Schlesinger et al. | Feb. 25, 1992 | |
| | CT | 5,149,655 | A | McCabe et al. | Sep. 22, 1992 | |
| | CU | 5,149,797 | A | Pederson et al. | Sep. 22, 1992 | |
| | CV | 5,185,440 | A | Davis et al. | Feb. 9, 1993 | |
| | CW | 5,206,152 | A | Sukhatme | Apr. 27, 1993 | |
| | CX | 5,217,879 | A | Huang et al. | Jun. 8, 1993 | |
| | CY | 5,219,740 | A | Miller et al. | Jun. 15, 1993 | |
| | CZ | 5,403,711 | A | Walder et al. | Apr. 4, 1995 | |
| | DA | 5,422,120 | A | Kim | Jun. 6, 1995 | |
| | DB | 5,491,133 | A | Walder et al. | Feb. 13, 1996 | |
| | DC | 5,514,758 | A | Muller et al. | May 7, 1996 | |
| | DD | 5,530,101 | A | Queen et al. | Jun. 25, 1996 | |
| | DE | 5,536,821 | A | Agrawal et al. | July 16, 1996 | |
| | DF | 5,541,306 | A | Agrawal et al. | July 30, 1996 | |
| | DG | 5,550,111 | A | Suhadolnik et al. | Aug. 27, 1996 | |
| | DH | 5,563,253 | A | Agrawal et al. | Oct. 8, 1996 | |
| | DI | 5,565,552 | A | Magda et al. | Oct. 15, 1996 | |
| | DJ | 5,565,350 | A | Kmiec | Oct. 15, 1996 | |
| | DK | 5,567,810 | A | Weis et al. | Oct. 22, 1996 | |
| | DL | 5,571,799 | A | Tkachuk et al. | Nov. 5, 1996 | |
| | DM | 5,574,142 | A | Meyer, Jr. et al. | Nov. 12, 1996 | |
| | DN | 5,580,859 | A | Felgner et al. | Dec. 3, 1996 | |
| | DO | 5,585,481 | A | Arnold, Jr. et al. | Dec. 17, 1996 | |
| | DP | 5,585,089 | A | Queen et al. | Dec. 17, 1996 | |
| | DQ | 5,587,371 | A | Sessler et al. | Dec. 24, 1996 | |
| | DR | 5,587,361 | A | Cook et al. | Dec. 24, 1996 | |
| | DS | 5,597,696 | A | Linn et al. | Jan. 28, 1997 | |
| | DT | 5,610,018 | A | Di Fiore et al. | Mar. 11, 1997 | |
| | DU | 5,625,050 | A | Beaton et al. | Apr. 29, 1997 | |
| | DV | 5,641,670 | A | Treco et al. | Jun. 24, 1997 | |

| | | | | | | |
|--|----|------------|----|---------------------|---------------|---------------|
| | DW | 5,652,355 | A | Metelev et al. | July 29, 1997 | |
| | DX | 5,700,922 | A | Cook | Dec. 23, 1997 | |
| | DY | 5,776,745 | A | Ketner et al. | Jul. 7, 1998 | |
| | DZ | 5,801,154 | A | Baracchini et al. | Sept. 1, 1998 | |
| | EA | 5,919,773 | A | Monia et al. | Jul. 6, 1999 | |
| | EB | 5,939,598 | A | Kucherlapati et al. | Aug. 17, 1999 | |
| | EC | 5,958,773 | A | Monia et al. | Sep. 28, 1999 | |
| | ED | 6,333,314 | B1 | Kasid et al. | Dec. 25, 2001 | |
| | EF | 60/264,062 | | Kumar et al. | | Jan. 26, 2001 |
| | EG | 60/281,780 | | Kasid et al. | | Apr. 6, 2001 |
| | EH | 60/382,031 | | Gokhale et al. | | May 22, 2002 |
| | EI | 60/371,126 | | Kasid et al. | | Apr. 10, 2002 |
| | EJ | 60/281,779 | | Kasid et al. | | Apr. 6, 2001 |
| | EK | 60/281,785 | | Kasid et al. | | Apr. 6, 2001 |
| | EL | 60/371,116 | | Kasid et al. | | Apr. 10, 2002 |
| | EM | 60/281,796 | | Kasid et al. | | Apr. 6, 2001 |
| | EN | 10/056,210 | | Kasid et al. | | Jan. 28, 2002 |
| | EO | 10/411,931 | | Kasid et al. | Dec. 4, 2003 | Apr. 10, 2003 |
| | EP | 10/411,930 | | Kasid et al. | Jan. 8, 2004 | Apr. 10, 2003 |
| | EQ | 10/443,273 | | Gokhale et al. | Dec. 11, 2003 | May 22, 2003 |
| | ER | 10/627,571 | | Kasid et al. | Apr. 29, 2004 | Jan. 28, 2002 |
| | ES | 10/679,561 | | Kasid et al. | Jun. 3, 2004 | Oct. 6, 2003 |
| | ET | 10/679,865 | | Kasid et al. | Jun. 17, 2004 | Oct. 6, 2003 |
| | EU | 10/680,313 | | Kasid et al. | Aug. 19, 2004 | Oct. 6, 2003 |
| | EV | 10/679,580 | | Kasid et al. | Dec. 9, 2004 | Oct. 6, 2003 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----------|-------------------------|------------------------------|-----------|---|---------------------|-------------|----------------|
| Examiner Initials | Doc. No. | Foreign Patent Document | | | Name of Patentee or Applicant | Date of Publication | Translation | |
| | | Office | Application or Patent Number | Kind Code | | | Yes | No** |
| | EW | WO | 87/00195 | A1 | Celltech Limited | Jan. 15, 1987 | | |
| | EX | WO | 90/03430 | A1 | Cetus Corporation | Apr. 5, 1990 | | |
| | EY | WO | 90/07936 | A1 | Chiron Corporation | Jul. 26, 1990 | | |
| | EZ | WO | 90/11092 | A1 | Vical, Inc. | Oct. 4, 1990 | | |
| | FA | WO | 91/00357 | A1 | Cayla | Jan. 10, 1991 | | X ⁺ |
| | FB | WO | 91/02805 | A2 | Viagene, Inc. | Mar. 7, 1991 | | |
| | FC | WO | 91/10741 | A1 | Cell Genesys, Inc. | Jul. 25, 1991 | | |
| | FD | WO | 91/14445 | A1 | Research Development Foundation | Oct. 3, 1991 | | |
| | FE | WO | 92/05266 | A2 | Viagene, Inc. | Apr. 2, 1992 | | |
| | FF | WO | 92/10578 | A1 | Bioption AB | Jun. 25, 1992 | | |
| | FG | WO | 92/11033 | A1 | Arch Development Corporation | Jul. 9, 1992 | | |
| | FH | WO | 93/03769 | A1 | The United States of America, Department of Health and Human Services | Mar. 4, 1993 | | |
| | FI | WO | 93/04170 | A1 | The United States of America, Department of Health and Human Services | Mar. 4, 1993 | | |
| | FJ | WO | 93/06248 | A1 | The United States of America, Department of Health and Human Services | Apr. 1, 1993 | | |
| | FK | WO | 93/09239 | A1 | Research Corporation Technologies | May 13, 1993 | | |
| | FL | WO | 93/10218 | A1 | The United States of America, Department of Health and Human Services | May 27, 1993 | | |
| | FM | WO | 93/11230 | A1 | Dynal AS | Jun. 10, 1993 | | |
| | FN | WO | 93/19191 | A1 | Centre National De LA Recherche Scientifique | Sep. 30, 1993 | | X ⁺ |
| | FO | WO | 93/25234 | A1 | The Regents of the University of California | Dec. 23, 1993 | | |

| | | | | | | | | |
|--|----|----|-----------|----|---|---------------|--|----------------|
| | FP | WO | 93/25698 | A1 | The United States of America, Department of Health and Human Services | Dec. 23, 1993 | | |
| | FQ | WO | 94/02602 | A1 | Cell Genesys, Inc. | Feb. 3, 1994 | | |
| | FR | WO | 94/03622 | A1 | Imperial College of Science, Technology & Medicine | Feb. 17, 1994 | | |
| | FS | WO | 94/12649 | A2 | Genzyme Corporation | Jun. 9, 1994 | | |
| | FT | WO | 94/15645 | A1 | Texas Biotechnology Corporation | Jul. 21, 1994 | | |
| | FU | WO | 94/21792 | A2 | Viagene, Inc. | Sep. 29, 1994 | | |
| | FV | WO | 94/23697 | A1 | Depotech Corporation | Oct. 27, 1994 | | |
| | FW | WO | 94/28938 | A1 | The Regents of the University of Michigan | Dec. 22, 1994 | | |
| | FX | WO | 95/00655 | A1 | Mc Master University | Jan. 5, 1995 | | |
| | FY | WO | 95/07994 | A2 | Viagene, Inc. | Mar. 23, 1995 | | |
| | FZ | WO | 95/11984 | A2 | Canji, Inc. | May 4, 1995 | | |
| | GA | WO | 95/13796 | A1 | Depotech Corporation | May 26, 1995 | | |
| | GB | WO | 95/27044 | A1 | Bioption AB | Oct. 12, 1995 | | |
| | GC | WO | 95/27069 | A1 | Smithkline Beecham Biologicals | Oct. 12, 1995 | | |
| | GD | WO | 95/30763 | A2 | Viagene, Inc. | Nov. 16, 1995 | | |
| | GE | WO | 96/30498 | A1 | Xenotech Incorporated | Oct. 3, 1996 | | |
| | GF | WO | 96/33735 | A1 | Cell Genesys, Inc. | Oct. 31, 1996 | | |
| | GG | WO | 96/34096 | A1 | Cell Genesys, Inc. | Oct. 31, 1996 | | |
| | GH | WO | 98/24893 | A2 | Abgenix, Inc. | Jun. 11, 1998 | | |
| | GI | WO | 00/00157 | A2 | Georgetown University Medical Center | Jan. 6, 2000 | | |
| | GJ | WO | 02/059337 | A1 | Georgetown University School of Medicine | Aug. 1, 2002 | | |
| | GK | WO | 02/081639 | A2 | Georgetown University | Oct. 17, 2002 | | |
| | GL | WO | 02/081640 | A2 | Georgetown University | Oct. 17, 2002 | | |
| | GM | WO | 02/081641 | A2 | Georgetown University | Oct. 17, 2002 | | |
| | GN | WO | 02/081642 | A2 | Georgetown University | Oct. 17, 2002 | | |
| | GO | EP | 36,776 | A2 | Genentech, Inc. | Sep. 30, 1981 | | |
| | GP | EP | 0 127 839 | A2 | The Texas A&M University System | Dec. 12, 1984 | | |
| | GQ | EP | 0 155 476 | A1 | Idaho Research Foundation | Sep. 25, 1985 | | |
| | GR | EP | 0 244 234 | A2 | Alko Ltd. | Nov. 4, 1987 | | |
| | GS | EP | 0 345 242 | A2 | Smithkline Biologicals S.A. | Dec. 6, 1989 | | X ⁺ |
| | GT | EP | 0 415 731 | A2 | The Wellcome Foundation Limited | Mar. 6, 1991 | | |
| | GU | EP | 0 524 968 | B1 | Depotech Corporation | Feb. 3, 1993 | | |
| | GV | EP | 1074617 | A2 | Helix Research Institute | Feb. 7, 2001 | | |
| | GW | GB | 2 200 651 | A | Ayad Mohamed Khalaf Al-Sumidale | Aug. 10, 1988 | | |

OTHER - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Doc. No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published. | Translation | |
|-------------------|----------|--|-------------|------------------|
| | | | Yes | No ⁺⁺ |
| | G X | ALTSCHUL et al., <i>Nucleic Acids Research</i> , 25(17), 3389-3402 (1997) | | |
| | G Y | ALVAREZ et al., <i>The Journal of Biological Chemistry</i> , 266(23), 15277-15285 (1991) | | |
| | G Z | BARBA et al., <i>Journal of Neurosurgery</i> , 79(5), 729-735 (1993) | | |
| | H A | BACCARINI et al., <i>The Journal of Biological Chemistry</i> , 266(17), 10941-10945 (1991) | | |
| | H B | BAIN et al., <i>Gene Therapy</i> , 1(S68), (1994) | | |
| | H C | BALLANCE et al., <i>Biochemical and Biophysical Research Communications</i> , 112(1), 284-289 (1983) | | |
| | H D | BARNES et al., <i>Analytical Biochemistry</i> , 102(2), 255 (1980) | | |
| | H E | <i>Basic and Clinical Immunology</i> , 217-262 (Sites and Terr eds., Appleton & Lange, Norwalk, CT 1991) | | |
| | H F | BEACH et al., <i>Nature</i> , 300(5894), 706-709 (1981) | | |
| | H G | BELYAVSKY et al., <i>Nucleic Acids Research</i> 17(8), 2919-2932 (1989) | | |
| | H H | BERKNER, <i>BioTechniques</i> , 6(7), 616-629 (1988) | | |
| | H I | BERNS et al., <i>Annals of The New York Academy of Sciences</i> , 772, 95-104 (1995) | | |
| | H J | BOSHART et al., <i>Cell</i> , 41(2), 521 (1985) | | |

| | | | |
|----|--|--|--|
| HK | BOWIE et al., <i>Science</i> , 247(4948), 1306-1310 (1990) | | |
| HL | BRANCH et al., <i>Trends in Biochemical Sciences</i> , 23(266), 45-50 (1998) | | |
| HM | BRUDER et al., <i>Genes & Development</i> , 6(4), 545-556 (1992) | | |
| HN | BRUHN et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 89, 2307-2311 (1992) | | |
| HO | BURUHAM et al., <i>American Journal of Hospital Pharmacy</i> 51(2), 210-218 (1994) | | |
| HP | CAILLAUD et al., <i>European Journal of Neuroscience</i> , 5(10), 1287-1291 (1993) | | |
| HQ | CAPLEN et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 98(17) 9742-47 (2001) | | |
| HR | CARBONELL et al., <i>Gene</i> , 73(2), 409-418 (1988) | | |
| HS | CARROLL et al., <i>The Journal of Biological Chemistry</i> , 266(23) 14964-14969 (1991) | | |
| HT | CARPRINO et al., <i>The Journal of Organic Chemistry</i> , 37, 3404-3409 (1972) | | |
| HU | CHANG et al., <i>Nature</i> , 275(5681), 617-624 (1978) | | |
| HV | CHIN, "On the preparation and utilization of isolated and purified oligonucleotides", Katherine R. Everett Law Library of the University of North Carolina, March 2002 | | |
| HW | CHOTHIA et al., <i>Journal of Molecular Biology</i> , 196(4) 901-917 (1987) | | |
| HX | CHUNG et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 88(11), 4981- (1991) | | |
| HY | CLELAND et al., <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 10(4), 307-377 (1993) | | |
| HZ | CONNELLY, <i>Human Gene Therapy</i> , 6(2), 185-193 (1995) | | |
| IA | COZENS et al., <i>Journal of Molecular Biology</i> , 206(2), 261-280 (1989) | | |
| IB | CREGG et al., <i>Molecular and Cellular Biology</i> , 5(12), 3376-3385 (1985) | | |
| IC | CUNNINGHAM et al., <i>Science</i> , 244(108), 1081-1085 (1989) | | |
| ID | CURIEL et al., <i>Human Gene Therapy</i> , 3(2), 147-154 (1992) | | |
| IE | DAS et al., <i>Journal of Bacteriology</i> , 158(3), 1165-1167 (1984) | | |
| IF | DAVIDOW et al., <i>Current Genetics</i> , 10(1), 39-48 (1985) | | |
| IG | DAVIS, <i>The New Biologist</i> , 2(5), 410-419 (1990) | | |
| IH | DAVIS et al., <i>Enzyme Engineering</i> , 4, 169-73 (1978) | | |
| II | DAYHOFF et al., <i>Atlas of Protein Sequence and Structure</i> , 5(Supplement 3), 345-352 (1978) | | |
| IJ | DE BOHR et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 80(1), 21-25 (1983) | | |
| IK | DE LOUVENCOURT et al., <i>Journal of Bacteriology</i> , 154(2), 737-742 (1983) | | |
| IL | DENT et al., <i>Science</i> , 257(5075), 1404-1407 (1992) | | |
| IM | DEVARY et al., <i>Cell</i> , 71, 1081-1091 (1992) | | |
| IN | DE VOS et al., <i>Science</i> , 255(5042), 306-312 (1992) | | |
| IO | DIJKEMA et al., <i>The EMBO Journal</i> , 4(3), 761 (1985) | | |
| IP | DINCHUK et al., <i>The Journal of Biological Chemistry</i> , 275(50), 39543-39554 (2000) | | |
| IQ | DOWNING et al., <i>Cell</i> , 85(4), 597-605 (1996) | | |
| IR | ELBASHIR et al., <i>Nature</i> , 411(6836), 494-98 (2001) | | |
| IS | FABIAN et al., <i>Molecular and Cellular Biology</i> , 13(11), 7170 (1993) | | |
| IT | FEDEROFF et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 89(5), 1636-40 (1992) | | |
| IU | FELGER et al., <i>Human Gene Therapy</i> , 7(15), 1791-1793 (1996) | | |
| IV | FIERMONTE et al., <i>The Journal of Biological Chemistry</i> , 276(11), 8225-8230 (2001) | | |
| IW | FINCO et al., <i>The Journal of Biological Chemistry</i> , 268(24), 17676-17679 (1993) | | |
| IX | FINK et al., <i>Annual Review of Neuroscience</i> , 19, 265-87 (1992) | | |
| IY | FLOTTE et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 90(22), 10613-10617 (1993) | | |
| IZ | FRIDEN et al., <i>Science</i> , 259, 373-377 (1993) | | |
| JA | FRIESEN et al., <i>The Molecular Biology of Baculoviruses</i> , 31-49 (1986) | | |
| JB | GAILLARDIN et al., <i>Current Genetics</i> , 10, 49-58 (1985) | | |
| JC | GALFRE et al., <i>Methods in Enzymology; Immunochemical Techniques</i> , 73, 3-46 (1981) | | |
| JD | GARDNER et al., <i>The Journal of Biological Chemistry</i> , 268(24) 1789617901(1993) | | |
| JE | GILLE et al., <i>Nature</i> , 358(6385), 414-417 (1992) | | |
| JF | GLEESON et al., <i>The Journal of General Microbiology</i> , 132(12), 3459-3465 (1986) | | |
| JG | GOEDDEL et al., <i>Nature</i> , 281(5732), 544 (1979) | | |
| JH | GOEDDEL et al., <i>Nucleic Acids Research</i> , 8(18), 4057-4074 (1980) | | |
| JI | GOKHALE et al., <i>Gene Therapy</i> , 4(12), 1289-1299 (1997) | | |
| JJ | GONZALEZ et al., <i>Current Opinion in Biotechnology</i> , 9(6), 624-631 (1998) | | |

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| JK | GORMAN et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 79(22), 6777-6781 (1982) | | |
| JL | GORUPPI et al., <i>FEBS Letters</i> , 415(1), 59-63 (1997) | | |
| JM | GREEN et al., <i>Science</i> , 281(5381), 1309-1312 (1998) | | |
| JN | GUZMAN et al., <i>Circulation Research</i> , 73(6), 1202-1207 (1993) | | |
| JO | GUZMAN et al., <i>Circulation</i> , 88(6), 2838-2848 (1993) | | |
| JP | HAM et al., <i>Methods in Enzymology</i> , 58, 44-93 (1979) | | |
| JQ | HEIDECKER et al., <i>Molecular and Cellular Biology</i> , 10(6), 2503-2512 (1990) | | |
| JR | HEIDECKER et al., <i>Advances in Cancer Research</i> , 58, 53-73 (1992) | | |
| JS | HIGGINS et al., <i>Computer Applications in the Biosciences</i> , 8(2), 189-191 (1992) | | |
| JT | HINNEN et al., <i>Proceedings of the National Academy of Sciences</i> , 75(4), 1929-1933 (1978) | | |
| JU | HOULDWORTH et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 85(1), 377-381 (1988) | | |
| JV | HOWE et al., <i>Cell</i> , 71(2), 335-342 (1992) | | |
| JW | ITO et al., <i>Journal of Bacteriology</i> , 153(1), 163-168 (1983) | | |
| JX | JAFFE et al., <i>Nature Genetics</i> , 1(5), 372-378 (1992) | | |
| JY | JOLLY, <i>Cancer Gene Therapy</i> , 1(1), 51-64 (1994) | | |
| JZ | JONES et al., <i>Nature</i> , 321(6069), 522-525 (1986) | | |
| KA | KAPLITT, <i>Nature Genetics</i> , 8(2), 148-154 (1994) | | |
| KB | KASID et al., <i>Science</i> , 238(4818), 1039-1041 (1987) | | |
| KC | KASID et al., <i>Advances in Cancer Research</i> , 61, 195-233 (1993) | | |
| KD | KASID et al., <i>Nature</i> , 382(6594), 813-816 (1996) | | |
| KE | KASS-BISLER et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 90(24), 11498-11502 (1993) | | |
| KF | KELLY et al., <i>The EMBO Journal</i> , 4(2), 475-479 (1985) | | |
| KG | KELSON et al., <i>Biochimica Et Biophysica Acta</i> , 1335(1-2), 99-110 (1997) | | |
| KH | KETTLEBOROUGH et al., <i>Protein Engineering</i> , 4(7), 773-83 (1991) | | |
| KI | KIMURA, <i>Human Gene Therapy</i> , 5(7), 845-852 (1994) | | |
| KJ | KISSIL et al., <i>The EMBO Journal</i> , 18(2), 353-362 (1999) | | |
| KK | KIZAKA-KONDOH et al., <i>Molecular and Cellular Biology</i> , 12(11), 5078-5086 (1992) | | |
| KL | KOIDE et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 90(18), 8683 (1993) | | |
| KM | KOLAROV et al., <i>The Journal of Biological Chemistry</i> , 265(21), 12711-12716 (1990) | | |
| KN | KOLCH et al., <i>Nature</i> , 349(6308), 426-428 (1991) | | |
| KO | KOLLS et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 91(1), 9215-219 (1994) | | |
| KP | KORIOTH et al., <i>Gene</i> , 150(2), 395-399 (1994) | | |
| KQ | KRUG et al., <i>Methods in Enzymology; Guide to Molecular Cloning Techniques</i> , 152, 316-325 (1987) | | |
| KR | KUNZE et al., <i>Journal of Basic Microbiology</i> , 25(2), 141-144 (1985) | | |
| KS | KURTZ et al., <i>Molecular and Cellular Biology</i> , 6(1), 142 (1986) | | |
| KT | KYRIAKIS et al., <i>Nature</i> , 358(6385), 417-421 (1992) | | |
| KU | LAWSON et al., <i>The Journal of Biological Chemistry</i> , 263(29), 14812-14818 (1988) | | |
| KV | LEBACQ-VERHEYDEN et al., <i>Molecular and Cellular Biology</i> , 8(8), 3129 (1988) | | |
| KW | LEE et al., <i>The Journal of Biological Chemistry</i> , 266(16), 10351-10357 (1991) | | |
| KX | LEVERO et al., <i>Gene</i> , 101(2), 195-202 (1991) | | |
| KY | LI et al., <i>Human Gene Therapy</i> , 4(4), 403-409 (1993) | | |
| KZ | LI et al., <i>Proceedings of the National Academy of Sciences</i> , 90(20), 9247-9251 (1993) | | |
| LA | LIANG et al., <i>Science</i> , 257(5072), 967-971 (1992) | | |
| LB | LIM et al., <i>Gene</i> , 255, 35-42 (2000) | | |
| LC | LUCIAKOVA et al., <i>Biochemical Journal</i> , 352(2), 519-523 (2000) | | |
| LD | LUCKOW et al., <i>Bio/Technology</i> , 6(1), 47-55 (1988) | | |
| LE | MACDONALD et al., <i>Molecular and Cellular Biology</i> , 13(11), 6615-6620 (1993) | | |
| LF | MAEDA et al., <i>Nature</i> , 315(6020), 592-594 (1985) | | |
| LG | MARSHALL et al., <i>Cell</i> , 80(2), 179-185 (1995) | | |
| LH | MARTENS et al., <i>Analytical Biochemistry</i> , 273(1), 20-31 (1999) | | |
| LI | MARTIN et al., <i>DNA</i> , 7(2), 99-106 (1988) | | |
| LJ | MARZO et al., <i>The Journal of Experimental Medicine</i> , 187(8), 1261-1271 (1998) | | |
| LK | MENDELSON et al., <i>Virology</i> , 166, 154-165 (1988) | | |
| LL | MERRIFIELD et al., <i>Journal of the American Chemical Society</i> , 85, 2149-2154 (1963) | | |

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|----|--|--|--|
| LM | MILLER et al., <i>Genetic Engineering</i> , 8, 277-279 (1986) (Setlow et al. ed.) | | |
| LN | MILLER, <i>Annual Review of Microbiology</i> , 42, 177-199 (1988) | | |
| LO | MILSTEIN et al., <i>Nature</i> , 256(5517), 495-497 (1975) | | |
| LP | MIYAJIMA et al., <i>Gene</i> , 58(2&3), 273-281 (1987) | | |
| LQ | MONIA et al., <i>Nature Medicine</i> , 2(6), 668-675 (1996) | | |
| LR | MORRISON et al., <i>The Journal of Biological Chemistry</i> , 268(23), 17309-17316 (1993) | | |
| LS | MORRISON et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 81(21), 6851-6855 (1984) | | |
| LT | MORRISON et al., <i>Advances in Immunology</i> , 44, 65-92 (1988) | | |
| LU | NAKAMURA et al., <i>The Journal of Biological Chemistry</i> , 274(32), 22476-22483 (1999) | | |
| LV | NECKELMANN et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 84(21), 7580-7584 (1987) | | |
| LW | OHMACHI et al., <i>The Journal of Biological Chemistry</i> , 267(21), 14604-14610 (1992) | | |
| LX | OSTADE et al., <i>Nature</i> , 361(6409), 266-269 (1993) | | |
| LY | PADLAN et al., <i>Molecular Immunology</i> , 28(4/5), 489-498 (1991) | | |
| LZ | PADLAN et al., <i>Molecular Immunology</i> , 31(3), 169-217 (1994) | | |
| MA | PATEL et al., <i>Molecular Carcinogenesis</i> , 18(1), 1-6 (1997) | | |
| MB | PATEL et al., <i>ACTA Oncological</i> , 37(5), 475-478 (1998) | | |
| MC | PFEIFER et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 86(24), 10075-10079 (1989) | | |
| MD | PFEIFER et al., <i>Biochemical and Biophysical Research Communications</i> , 252(1), 481-486 (1998) | | |
| ME | PHILIP, <i>Molecular and Cellular Biology</i> , 14(4), 2411-2418 (1994) | | |
| MF | PINCKARD et al., <i>Clinical and Experimental Immunology</i> , 2, 331-340 (1967) | | |
| MG | PRASAD et al., <i>Molecular and Cellular Biology</i> , 12(11), 5260-5267 (1992) | | |
| MH | PULVERER et al., <i>Nature</i> , 353(6345), 670 (1991) | | |
| MI | QURESHI et al., <i>The Journal of Biological Chemistry</i> , 266(31), 20594-20597 (1991) | | |
| MJ | RAM et al., <i>Cancer Research</i> , 53(1), 83-88 (1993) | | |
| MK | RAPP et al., <i>The Oncogene Handbook</i> , (Elsevier Science Publishers, New York), 213-253 (1988) | | |
| ML | RAPP, <i>Oncogene</i> , 6(4), 495-500 (1991) | | |
| MM | REBAY et al., <i>Cell</i> , 67, 687-699 (1991) | | |
| MN | REES et al., <i>The EMBO Journal</i> , 7(7), 2053-2061 (1988) | | |
| MO | RIEDEL et al., <i>European Journal of Immunology</i> , 12, 3146-3150 (1993) | | |
| MP | ROBBINS et al., <i>Diabetes</i> , 36(7), 838-845 (1987) | | |
| MQ | ROGERS et al., <i>Genomics</i> , 39(2), 127-135 (1997) | | |
| MR | ROGGENKAMP et al., <i>Molecular & General Genetics</i> , 202(2), 302-308 (1986) | | |
| MS | ROSENFELD et al., <i>Science</i> , 252(5004), 431-434 (1991) | | |
| MT | SAMUELS et al., <i>Molecular and Cellular Biology</i> , 13(10), 6241-6252 (1993) | | |
| MU | SAMULSKI et al., <i>Journal of Virology</i> , 63(9), 3822-3828 (1989) | | |
| MV | SARUBBI et al., <i>Analytical Biochemistry</i> , 237(1), 70-75 (1996) | | |
| MW | SCHAAP et al., <i>The Journal of Biological Chemistry</i> , 268(27), 20232-20236 (1993) | | |
| MX | SCHNEIDER et al., <i>Tetrahedron Letters</i> , 31(3), 335-338 (1990) | | |
| MY | SETH et al., <i>The Journal of Biological Chemistry</i> , 266(35), 23521 (1991) | | |
| MZ | SIEBENLIST et al., <i>Cell</i> , 20(1), 269 (1980) | | |
| NA | SIEGEL et al., <i>The Journal of Immunology</i> , 151(8), 4116-4127 (1993) | | |
| NB | SMITH et al., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 82(24), 8404-8408 (1985) | | |
| NC | SMITH et al., <i>Journal of Molecular Biology</i> , 224(4), 899-904 (1992) | | |
| ND | SMITH et al., <i>Advances in Applied Mathematics</i> , 2(4), 482-489 (1981) | | |
| NE | SOLDATENKOV et al., <i>The Cancer Journal from Scientific American</i> , 3(1), 13-20 (1997) | | |
| NF | SOZERI et al., <i>Oncogene</i> , 7(11), 2259 (1992) | | |
| NG | STANTON et al., <i>Molecular and Cellular Biology</i> , 9(2), 639-647 (1989) | | |
| NH | STENFLO, <i>Blood</i> , 78(7), 1637-1651 (1991) | | |
| NI | STOKOE et al., <i>The EMBO Journal</i> , 11(11), 3985-3994 (1992) | | |
| NJ | STURGILL et al., <i>Nature</i> , 334(6184), 715-718 (1988) | | |
| NK | SUN et al., <i>Hepatology</i> , 27(1), 228-239 (1998) | | |
| NL | SUNNERHAGEN et al., <i>The Journal of Biological Chemistry</i> , 268(31), 2339-2344 (1993) | | |
| NM | SUY et al., <i>Oncogene</i> , 15(1), 53-61 (1997) | | |

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| Examiner Signature | | Date Considered | |
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+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).